

[illegible]

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(1)	56	DECLARATIONS
(1)	112	CONDITION TABLES
(1)	151	TM SETUP, TM CLEANUP
(1)	242	CONDITION SUBROUTINES - SETUP AND CLEANUP
(1)	335	FORM CONDS
(1)	428	VERIFY
(1)	572	VFY_CLEANUP

```
0000 1 .TITLE SATSSS45 SATS SYSTEM SERVICE TESTS $SETPRI (SUCC S.C.)
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6 *
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0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 **
0000 30 FACILITY: SYSTST (SATS SYSTEM SERVICE TESTS)
0000 31
0000 32 ABSTRACT:
0000 33
0000 34 THIS MODULE CONTAINS SUBROUTINES WHICH, WHEN LINKED
0000 35 WITH SUCCOMMON.OBJ, FORM TEST MODULE SATSSS45 TO TEST SUCCESSFUL
0000 36 OPERATION OF THE $SETPRI SYSTEM SERVICE. THE SERVICE IS INVOKED
0000 37 UNDER VARIOUS INPUT CONDITIONS WITH VARYING INPUT PARAMETERS. ONLY
0000 38 SUCCESSFUL STATUS CODES ARE EXPECTED IN THIS TEST MODULE. CORRECT
0000 39 OPERATION OF THE SERVICE FOR EACH OF ITS ISSUANCES IS VERIFIED BY
0000 40 CHECKING FOR AN SS$ NORMAL STATUS CODE, EXPECTED RETURN ARGUMENTS
0000 41 AND EXPECTED FUNCTIONALITY PERFORMED.
0000 42
0000 43 ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
0000 44 DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000 45
0000 46 AUTHOR: THOMAS L. CAFARELLA, CREATION DATE: NOV, 1977
0000 47
0000 48 MODIFIED BY:
0000 49
0000 50 VERSION 1.5 : 25-MAY-79
0000 51
0000 52 01 LDJ 10/11/79 Fixed bug caused by DIB$K_LENGTH change ACG052.RNO mem
0000 53
0000 54 --
```

SATSSS45
V04-000

SATS SYSTEM SERVICE TESTS \$SETPRI (SUCC 16-SEP-1984 00:55:25 VAX/VMS Macro V04-00
DECLARATIONS 5-SEP-1984 04:31:42 [UETPSY.SRC]SATSSS45.MAR;1

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(1)

```
0000 56 .SBTTL DECLARATIONS
0000 57 :
0000 58 : INCLUDE FILES:
0000 59 :
0000 60 $PRVDEF : PRIVILEGE BIT DEFINITIONS
0000 61 $PHDDEF : PROCESS HEADER OFFSETS
0000 62 $PQLDEF : PROCESS QUOTA CODES
0000 63 $PCBDEF : PCB LABELS
0000 64 $DIBDEF : DEVICE INFO BLOCK OFFSETS
0000 65 :
0000 66 : MACROS:
0000 67 :
0000 68 :
0000 69 : EQUATED SYMBOLS:
0000 70 :
0000 71 :
0000 72 : OWN STORAGE:
0000 73 :
```

SATSSS45
V04-000

SATS SYSTEM SERVICE TESTS \$SETPRI (SUCC 16-SEP-1984 00:55:25 VAX/VMS Macro V04-00 Page 3
DECLARATIONS 5-SEP-1984 04:31:42 [UETPSY.SRC]SATSSS45.MAR;1 (1)

```
00000000 75 .PSECT RODATA, RD, NOWRT, NOEXE, LONG
0000 76 TEST_MOD_NAME:: STRING C, <SATSSS45> : TEST MODULE NAME
0009 77 TEST_MOD_NAME_D: STRING I, <SATSSS45> : TEST MODULE NAME DESCRIPTOR
0019 78 MSG1_INP_CTL: STRING I, <SSSPR!4ZW: CONDITIONS:>
0039 79 : FAO CTL STRING FOR MSG1 IN SUCCOMMON.MAR
0039 80 MSG3_ERR_CTL:: STRING I, <*SSSPR!4ZW: !AS>
0051 81 : FAO CTL STRING FOR MSG3 IN SUCCOMMON.MAR
0051 82 SUBJPRN: STRING I, <SATSSS45 CRE> : PROCESS & MBX NAME FOR CREATED PROCESS
0065 83 IMAGNAM: STRING I, <SYSTST$RES:SATSUT08.EXE> : IMAGE NAME FOR CREATED PROC
0084 84 QUOTALIST: $QUOTA CPULM, 0 : INFINITE CPU
0089 85 $QUOTA BYTLM, 512 : BYTE LIMIT FOR BUFFERED I/O
008E 86 $QUOTA FILLM, 2 : OPEN FILE COUNT LIMIT
0093 87 $QUOTA PGFLQUOTA, 10 : PAGING FILE QUOTA
0098 88 $QUOTA PRCLM, 2 : SUBPROCESS QUOTA
0C9D 89 $QUOTA TQELM, 3 : TIMER QUEUE ENTRY QUOTA
00A2 90 $QUOTA LISTEND : DEFINES END OF LIST
```

00000000	92	.PSECT	RWDATA, RD, WRT, NOEXE, LONG	
00000008	93	PRIVMASK:	.BLKQ 1	: ADDR OF PRIVILEGE MASK (IN PHD)
0000000C	94	MBXCHAN:	.BLKL 1	: CHAN. NO. FOR MAILBOX FOR CREATED PROCESS
	95	MBXCHANINFO:		: CHANNEL INFO RETURNED BY GETCHN
00000074	96		.LONG DIB\$K_LENGTH	
00000014	97		.ADDRESS +4	
00000088	98		.BLKB DIB\$K_LENGTH	
0000008C	99	MBXUNIT:	.BLKL 1	: SAVE AREA FOR MAILBOX UNIT NUMBER
	100	MBXBUFF:	STRING 0,120	: MAILBOX BUFFER FOR CREATED PROCESS
00000110	101	DEST_PIDADR:	.BLKL 1	: DESTINATION PID ADDR, WRITTEN BY S.S.
00000114	102	ZEROPID:	.BLKL 1	: PID OF ZEROES
00000000	103	SELPID:	.LONG 0	: PID OF THIS PROCESS
0000011C	104	CREPID:	.BLKL 1	: PID OF CREATED PROCESS
00000120	105	SUBJPID:	.BLKL 1	: PID OF SUBJECT PROCESS (SELF OR OTHER)
FF	106	ORIGPRI:	.BYTE -1	: ORIGINAL PRIORITY OF SUBJECT PROCESS
00 00 00	107		.BYTE 0,0,0	: NEED HI-ORDER 0'S WHEN ...
	108			: ... ORIGPRI USED AS LONGWORD
00000125	109	ESTPRI:	.BLKB 1	: PRIORITY ESTABLISHED BEFORE ...
	110			: ... SUBJECT SETPRI CHANGED IT

```
.SBTTL CONDITION TABLES
***** CONDITION TABLES FOR SETPRI SYSTEM SERVICE *****
COND 1,NOTARG,<PID ADDRESS>,-
      <NOT SPECIFIED>,-
      <SPECIFIED, NON-ZERO>,-
      <SPECIFIED, ZERO>,-
      .ADDRESS 0
      .ADDRESS SUBJPID
      .ADDRESS ZEROPID
COND 2,NOTARG,<PROCESS NAME ADDRESS>,-
      <SPECIFIED>,-
      <NOT SPECIFIED>,-
      .ADDRESS SUBJPRN
      .ADDRESS 0
COND 3,NOTARG,<PROCESS TYPE>,-
      <SELF>,-
      <SUBPROCESS>,-
      <DETACHED, DIFFERENT GROUP>,-
      <DETACHED, SAME GROUP, SAME MEMBER>,-
      <DETACHED, SAME GROUP, DIFFERENT MEMBER>,-
      .LONG ^XFFFFFFFF : PSEUDO-UIC
      .LONG 0 : PSEUDO-UIC
      .BLKL 1 : UIC
      .BLKL 1 : UIC
      .BLKL 1 : UIC
COND 4,NULL
COND 5,NULL
.PSECT SATSSS45,RD,WRT,EXE
```

00000000'	0125	112
0000011C'	0125	113
00000110'	0125	114
	0125	115
	0125	116
	0125	117
	0125	118
	0125	119
	0125	120
	0170	121
	0174	122
	0178	123
	017C	124
	017C	125
	017C	126
	017C	127
	017C	128
00000051'	01B2	129
00000000'	01B6	130
	01BA	131
	01BA	132
	01BA	133
	01BA	134
	01BA	135
	01BA	136
	01BA	137
	01BA	138
FFFFFFFF	024F	139
00000000	0253	140
0000025B	0257	141
0000025F	025B	142
00000263	025F	143
	0263	144
	0263	145
	0264	146
	0264	147
	0265	148
00000000		149

```
0000 151 .SBTTL TM_SETUP, TM_CLEANUP
0000 152 :++
0000 153 : FUNCTIONAL DESCRIPTION:
0000 154 :
0000 155 : TM SETUP AND TM CLEANUP ARE CALLED TO PERFORM
0000 156 : REQUIRED HOUSEKEEPING AT THE BEGINNING AND END, RESPECTIVELY, OF
0000 157 : TEST MODULE EXECUTION.
0000 158 :
0000 159 : CALLING SEQUENCE:
0000 160 :
0000 161 : BSBW TM_SETUP BSBW TM_CLEANUP
0000 162 :
0000 163 : INPUT PARAMETERS:
0000 164 :
0000 165 : NONE
0000 166 :
0000 167 : IMPLICIT INPUTS:
0000 168 :
0000 169 : NONE
0000 170 :
0000 171 : OUTPUT PARAMETERS:
0000 172 :
0000 173 : NONE
0000 174 :
0000 175 : IMPLICIT OUTPUTS:
0000 176 :
0000 177 : TM_SETUP: COND TABLE INDEX REGISTERS (R2,3,4,5,6) CLEARED;
0000 178 : ALL PRIVILEGES ACQUIRED.
0000 179 :
0000 180 : COMPLETION CODES:
0000 181 :
0000 182 : EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
0000 183 :
0000 184 : SIDE EFFECTS:
0000 185 :
0000 186 : SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
0000 187 : (VIA RSB) IF ERROR ENCOUNTERED.
0000 188 :
0000 189 :--
0000 190 :
0000 191 :
0000 192 :
0000 193 TM_SETUP::
52 D4 0000 194 CLRL R2 ; INITIALIZE
53 D4 0002 195 CLRL R3 ; .. CONDITION
54 D4 0004 196 CLRL R4 ; .... TABLE
55 D4 0006 197 CLRL R5 ; ..... INDEX
56 D4 0008 198 CLRL R6 ; ..... REGISTERS
FFF3' 30 000A 199 BSBW MOD MSG_PRINT ; PRINT TEST MODULE BEGIN MSG
00000000'EF 00000000'EF DE 000D 200 MOVAL TEST_MOD_SUCC,TMD_ADDR ; ASSUME END MSG WILL SHOW SUCCESS
03 00 00000000'8F FO 0018 201 INSV #SUCCESS,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR SUCCESS
00000000'EF 0020
59 00000000'9F DO 0048 202 MODE TO,5$,KRNL ; KERNEL MODE TO ACCESS PHD
00000000'EF 69 DE 004F 203 MOVL @#CTL$GL PHD,R9 ; GET PROCESS HEADER ADDRESS
0056 204 MOVAL PHD$Q PRIVMSK(R9),PRIVMASK ; GET PRIV MASK ADDRESS
0057 205 MODE FROM,5$ ; BACK TO USER MODE
206 PRIV ADD,ALL ; GET ALL PRIVILEGES
```

```
0077 207 $SETPRN S TEST MOD_NAME_D ; SET PROCESS NAME
0084 208 SS CHECK NORMAL ; CHECK STATUS CODE RETURNED FROM SETPRN
00B2 209 $WAKE S SELFPID ; GET MY PID
00C1 210 SS CHECK NORMAL ; CHECK FOR NORMAL RETURN
00EF 211 $HIBER S ; UNDO ABOVE WAKE
00F6 212 SS_CHECK NORMAL ; CHECK FOR NORMAL RETURN
0124 213 ::
0124 214 :: THE FOLLOWING CODE ESTABLISHES UIC'S IN THE CONDITION 3 TABLE
0124 215 ::
0124 216 MODE TO,20$,KRNL ; KERNEL MODE TO ACCESS PCB
59 00000000'9F D0 0147 217 MOVL @#$CH$GL_CURPCB,R9 ; GET CURRENT PCB ADDRESS
59 00BC C9 D0 014E 218 MOVL PCB$L_UIC(R9),R9 ; PICK UP UIC FROM PCB
0153 219 MODE FROM,20$ ; ... AND GET BACK TO USER MODE
0154 220 ::
0154 221 :: R9 NOW CONTAINS 'MY' UIC
0154 222 ::
59 5A 02 9A 0154 223 MOVZBL #2,R10 ; GET COND3 TABLE INDEX NUMBER INTO A REG
59 00010000 8F C1 0157 224 ADDL3 #^X10000,R9,COND3_E[R10] ; PUT DIFF GROUP UIC INTO 3RD TABLE ELT
0000024F'EF4A 5A D5 0164 225 INCL R10 ; POINT TO 4TH COND3 TABLE ELEMENT
0000024F'EF4A 59 D0 0166 226 MOVL R9,COND3_E[R10] ; PUT MY UIC INTO TABLE
0000024F'EF4A 59 D6 016E 227 INCL R10 ; POINT TO 5TH COND3 TABLE ELEMENT
0000024F'EF4A 59 01 0170 228 ADDL3 #1,R9,COND3_E[R10] ; PUT DIFF MEMBER UIC INTO THE TABLE
0179 229 $CREMBX_S CHAN=MBXCHAN, LOGNAM=SUBJPRN, - ; GET MAILBOX FOR PROCESS
0179 230 MAXMSG=#120, PROMSK=#0, BUFQUO=#240
019E 231 SS CHECK NORMAL ; CHECK NORMAL COMPLETION
01CC 232 $GETCHN_S CHAN=MBXCHAN, - ; GET CHAN INFO (UNIT NUMBER)
01CC 233 PRIBUF=MBXCHANINFO
01E6 234 SS CHECK NORMAL ; CHECK NORMAL COMPLETION
00000088'EF 00000020'EF 3C 0214 235 MOVZWL MBXCHANINFO+8+DIB$W_UNIT,MBXUNIT ; SAVE MAILBOX UNIT NUMBER
05 021F 236 RSB ; RETURN TO MAIN ROUTINE
0220 237 TM_CLEANUP::
0220 238 $DELMBX_S MBXCHAN ; DELETE TERMINATION MAILBOX
FDCF' 30 022E 239 BSBW MOD_MSG_PRINT ; PRINT TEST MODULE END MSG
05 0231 240 RSB ; RETURN TO MAIN ROUTINE
```

```
0232 242 .SATTL CONDITION SUBROUTINES - SETUP AND CLEANUP
0232 243 :++
0232 244 : FUNCTIONAL DESCRIPTION:
0232 245 :
0232 246 : COND1 AND COND1 CLEANUP ARE SUBROUTINES WHICH ARE EXECUTED
0232 247 : BEFORE AND AFTER THE VERIFY SUBROUTINE, RESPECTIVELY, WHENEVER A NEW
0232 248 : CONDITION X VALUE IS SELECTED (SEE FUNCTIONAL DESCRIPTION OF SUCCOMMON
0232 249 : ROUTINE IN SUCCOMMON.MAR). ANY SETUP FUNCTION PARTICULAR TO THE
0232 250 : CONDITION X TABLE IS INCLUDED IN THE COND1 SUBROUTINE AND CLEANED
0232 251 : UP, IF NECESSARY, IN THE COND1 CLEANUP SUBROUTINE. THIS INCLUDES,
0232 252 : ESPECIALLY, CODE TO DETECT CONFLICTS AMONG CURRENT ENTRIES IN TWO
0232 253 : OR MORE CONDITION TABLES. IF A CONFLICT IS DETECTED, A NON-ZERO
0232 254 : VALUE IS STORED INTO CONFLICT, WHICH CAUSES THE CALLING ROUTINE
0232 255 : (SUCCOMMON) TO SKIP THE CURRENT ENTRY IN THE CONDITION X TABLE.
0232 256 :
0232 257 : CALLING SEQUENCE:
0232 258 :
0232 259 : BSBW COND1 BSBW COND1_CLEANUP
0232 260 : WHERE X = 1,2,3,4,5
0232 261 :
0232 262 : INPUT PARAMETERS:
0232 263 :
0232 264 : CONFLICT = 0
0232 265 :
0232 266 : IMPLICIT INPUTS:
0232 267 :
0232 268 : R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
0232 269 : FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
0232 270 :
0232 271 : OUTPUT PARAMETERS:
0232 272 :
0232 273 : CONFLICT SET TO NON-ZERO IF COND TABLE CONFLICT DETECTED.
0232 274 :
0232 275 : IMPLICIT OUTPUTS:
0232 276 :
0232 277 : R2,3,4,5,6 PRESERVED
0232 278 :
0232 279 : COMPLETION CODES:
0232 280 :
0232 281 : NONE
0232 282 :
0232 283 : SIDE EFFECTS:
0232 284 :
0232 285 : NONE
0232 286 :
0232 287 : --
0232 288 :
0232 289 :
0232 290 :
05 0232 291 COND1::
0232 292 RSB ; RETURN TO MAIN ROUTINE
05 0232 293 COND1_CLEANUP::
0232 294 RSB ; RETURN TO MAIN ROUTINE
05 0232 295 COND2::
0232 296 RSB ; RETURN TO MAIN ROUTINE
05 0232 297 COND2_CLEANUP::
0232 298 RSB ; RETURN TO MAIN ROUTINE
```

```
00000170'EF42 0000011C'8F D1 0236 299 COND3::
                                13 0236 300 CMPL #SUBJPID,COND1_E[R2] ; NON-ZERO PID SPECIFIED ?
                                20 0242 301 BEQLU 10$ ; YES -- PROCESS IS 'OTHER'
000001B2'EF43 D5 0244 302 TSTL COND2_E[R3] ; IS PROCESS NAME SPECIFIED ?
                                07 13 024B 303 BEQL 5$ ; NO -- SUBJECT PROCESS IS 'SELF'
                                02 54 D1 024D 304 CMPL R4,#2 ; DOES CONDITION 3 SPECIFY DIFFERENT GROUP ?
                                20 13 0250 305 BEQL 20$ ; YES -- PROCESS NAME FOR DIFF GROUP IS CONF
                                10 11 0252 306 BRB 10$ ; NO -- MAKE SURE COND 3 SPECIFIES 'OTHER'
                                0254 307 5$:
                                0254 308
                                0254 309 : PROCESS IS 'SELF'
                                0254 310
0000024F'EF44 00000000'EF D1 0254 311 CMPL ONES,COND3_E[R4] ; DOES CONDITION 3 SPECIFY 'SELF' ?
                                1B 13 0260 312 BEQLU COND3X ; YES -- THEN ALL 3 CONDIT'NS ARE CONSISTENT
                                OE 11 0262 313 BRB 20$ ; NO -- INDICATE CONFLICT & GET OUT
                                0264 314 10$:
                                0264 315
                                0264 316 : PROCESS IS 'OTHER'
                                0264 317
0000024F'EF44 00000000'EF D1 0264 318 CMPL ONES,COND3_E[R4] ; DOES CONDITION 3 SPECIFY 'SELF' ?
                                OB 12 0270 319 BNEQU COND3X ; NO -- THEN ALL 3 CONDITIONS ARE CONSISTENT
                                0272 320 20$:
00000000'EF 00000000'EF 90 0272 321 MOVB ONES,CONFLICT ; YES -- INDICATE CONFLICT
                                027D 322 COND3X:
                                05 027D 323 RSB ; RETURN TO MAIN ROUTINE
                                05 027E 324 COND3_CLEANUP::
                                05 027E 325 RSB ; RETURN TO MAIN ROUTINE
                                05 027F 326 COND4::
                                05 027F 327 RSB ; RETURN TO MAIN ROUTINE
                                0280 328 COND4_CLEANUP::
                                05 0280 329 RSB ; RETURN TO MAIN ROUTINE
                                0281 330 COND5::
                                05 0281 331 RSB ; RETURN TO MAIN ROUTINE
                                0282 332 COND5_CLEANUP::
                                05 0282 333 RSB ; RETURN TO MAIN ROUTINE
```

```
0283 335 .SBTTL FORM_CONDS
0283 336
0283 337 :++
0283 338 : FUNCTIONAL DESCRIPTION:
0283 339 :
0283 340 : FORM_CONDS FORMATS AND PRINTS INFORMATION ABOUT
0283 341 : THE CURRENT ELEMENT IN EACH OF THE CONDITION TABLES.
0283 342 :
0283 343 : CALLING SEQUENCE:
0283 344 :
0283 345 : BSBW FORM_CONDS
0283 346 :
0283 347 : INPUT PARAMETERS:
0283 348 :
0283 349 : NONE
0283 350 :
0283 351 : IMPLICIT INPUTS:
0283 352 :
0283 353 : R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
0283 354 : FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
0283 355 : FOR X = 1,2,3,4,5 :
0283 356 : COND_X_T - TITLE TEXT FOR COND_X TABLE
0283 357 : COND_X_TAB - ELEMENT TEXT FOR COND_X TABLE
0283 358 : COND_X_C - CONTEXT OF THE COND_X TABLE
0283 359 : COND_X_E - DATA ELEMENTS OF THE COND_X TABLE
0283 360 :
0283 361 : OUTPUT PARAMETERS:
0283 362 :
0283 363 : NONE
0283 364 :
0283 365 : IMPLICIT OUTPUTS:
0283 366 :
0283 367 : NONE
0283 368 :
0283 369 : COMPLETION CODES:
0283 370 :
0283 371 : NONE
0283 372 :
0283 373 : SIDE EFFECTS:
0283 374 :
0283 375 : NONE
0283 376 :
0283 377 : --
0283 378 :
0283 379 :
0283 380 FORM_CONDS::
0283 381 $FAO_S MSG1_INP_CTL,FAO_LEN,FAO_DESC,TESTNUM
02A2 382 :
02A2 383 : BSBW OUTPUT_MSG : FORMAT CONDITIONS HEADER MSG
02A5 384 : CMPB #COND1_C,#NULL : ... AND PRINT IT
02A8 385 : BNEQU 10$ : IS CONDITION 1 NULL ?
02AA 386 : BRW FORM_CONDSX : NO -- CONTINUE
02AD 387 10$: : YES -- SUBROUTINE IS FINISHED
02AD 388 : MOVAL COND1_T,MSG_A : SAVE ADDRESS OF CONDITION 1 TITLE FOR FAO
02B8 389 : MOVL COND1_TAB[R2],MSG_B : SAVE ADDR OF COND 1 CURR TEXT ELT FOR FAO
02C4 390 : MOVB #COND1_C,MSG_TXT : SAVE CONDITION 1 CONTEXT FOR FAO
02CB 391 : MOV_VAL COND1_C,COND1_E[R2],MSG_DATA1 : GIVE COND 1 DATA VALUE TO FAO
```

14 FD5B' 30 00 91 03 12 00BF 31 DE 00 90

00000000'EF 00000125'EF DE 02AD 388
00000000'EF 00000132'EF42 D0 02B8 389
00000000'EF 00 90 02C4 390
02CB 391

```
14 FD32' 30 02CB 392 BSBW WRITE MSG2 ; FORMAT AND WRITE CONDITION 1 MSG
00 91 02CE 393 CMPB #COND2_C,#NULL ; IS CONDITION 2 NULL ?
03 12 02D1 394 BNEQU 20$ ; NO -- CONTINUE
0096 31 02D3 395 BRW FORM_CONDSX ; YES -- SUBROUTINE IS FINISHED
02D6 396 20$:
00000000'EF 0000017C'EF DE 02D6 397 MOVAL COND2_T,MSG_A ; SAVE ADDRESS OF CONDITION 2 TITLE FOR FAO
00000000'EF 00000192'EF43 D0 02E1 398 MOVL COND2_TAB[R3],MSG_B ; SAVE ADDR OF COND 2 CURR TEXT ELT FOR FAO
00000000'EF 00 90 02ED 399 MOVB #COND2_C,MSG_CTXT ; SAVE CONDITION 2 CONTEXT FOR FAO
02F4 400 MOV VAL COND2_C,COND2_E[R3],MSG_DATA1 ; GIVE COND 2 DATA VALUE TO FAO
FD09' 30 02F4 401 BSBW WRITE MSG2 ; FORMAT AND WRITE CONDITION 2 MSG
14 00 91 02F7 402 CMPB #COND3_C,#NULL ; IS CONDITION 3 NULL ?
03 12 02FA 403 BNEQU 30$ ; NO -- CONTINUE
006D 31 02FC 404 BRW FORM_CONDSX ; YES -- SUBROUTINE IS FINISHED
02FF 405 30$:
00000000'EF 000001BA'EF DE 02FF 406 MOVAL COND3_T,MSG_A ; SAVE ADDRESS OF CONDITION 3 TITLE FOR FAO
00000000'EF 000001C8'EF44 D0 030A 407 MOVL COND3_TAB[R4],MSG_B ; SAVE ADDR OF COND 3 CURR TEXT ELT FOR FAO
00000000'EF 00 90 0316 408 MOVB #COND3_C,MSG_CTXT ; SAVE CONDITION 3 CONTEXT FOR FAO
031D 409 MOV VAL COND3_C,COND3_E[R4],MSG_DATA1 ; GIVE COND 3 DATA VALUE TO FAO
FCE0' 30 031D 410 BSBW WRITE MSG2 ; FORMAT AND WRITE CONDITION 3 MSG
14 14 91 0320 411 CMPB #COND4_C,#NULL ; IS CONDITION 4 NULL ?
47 13 0323 412 BEQLU FORM_CONDSX ; YES -- SUBROUTINE IS FINISHED
00000000'EF 00000263'EF DE 0325 413 MOVAL COND4_T,MSG_A ; SAVE ADDRESS OF CONDITION 4 TITLE FOR FAO
00000000'EF 00000263'EF45 D0 0330 414 MOVL COND4_TAB[R5],MSG_B ; SAVE ADDR OF COND 4 CURR TEXT ELT FOR FAO
00000000'EF 14 90 033C 415 MOVB #COND4_C,MSG_CTXT ; SAVE CONDITION 4 CONTEXT FOR FAO
0343 416 MOV VAL COND4_C,COND4_E[R5],MSG_DATA1 ; GIVE COND 4 DATA VALUE TO FAO
FCBA' 30 0343 417 BSBW WRITE MSG2 ; FORMAT AND WRITE CONDITION 4 MSG
14 14 91 0346 418 CMPB #COND5_C,#NULL ; IS CONDITION 5 NULL ?
21 13 0349 419 BEQLU FORM_CONDSX ; YES -- SUBROUTINE IS FINISHED
00000000'EF 00000264'EF DE 034B 420 MOVAL COND5_T,MSG_A ; SAVE ADDRESS OF CONDITION 5 TITLE FOR FAO
00000000'EF 00000264'EF46 D0 0356 421 MOVL COND5_TAB[R6],MSG_B ; SAVE ADDR OF COND 5 CURR TEXT ELT FOR FAO
00000000'EF 14 90 0362 422 MOVB #COND5_C,MSG_CTXT ; SAVE CONDITION 5 CONTEXT FOR FAO
0369 423 MOV VAL COND5_C,COND5_E[R6],MSG_DATA1 ; GIVE COND 5 DATA VALUE TO FAO
FC94' 30 0369 424 BSBW WRITE MSG2 ; FORMAT AND WRITE CONDITION 5 MSG
036C 425 FORM_CONDSX:
05 036C 426 RSB ; RETURN TO CALLER
```

```
036D 428 .SBTTL VERIFY
036D 429
036D 430 **
036D 431 FUNCTIONAL DESCRIPTION:
036D 432
036D 433 VERIFY IS CALLED ONCE FOR EACH COMBINATION OF CONDITION
036D 434 TABLE VALUES (AS DETERMINED BY THE INDEX REGISTERS R2,3,4,5,6 FOR
036D 435 COND TABLES 1,2,3,4,5, RESPECTIVELY). VERIFY ESTABLISHES THE CONDITIONS
036D 436 SPECIFIED BY THE COND TABLES AND ISSUES THE SUBJECT SYSTEM SERVICE
036D 437 ($SETPRI). THEN, THE SUCCESSFUL OPERATION OF THE SERVICE IS VERIFIED
036D 438 BY EXAMINING THE STATUS CODE RETURNED, THE VALUES FOR RETURN ARGUMENTS
036D 439 AND THE FUNCTIONALITY PERFORMED. THE EXAMINATIONS TAKE THE FORM OF
036D 440 COMPARISONS AGAINST EXPECTED VALUES. ANY FAILING COMPARISON CAUSES AN
036D 441 ERR_EXIT MACRO TO BE EXECUTED (EITHER DIRECTLY, OR INDIRECTLY,
036D 442 THROUGH THE SS_CHECK MACRO); ERR_EXIT SETS EFLAG TO NON-ZERO,
036D 443 PRINTS ERROR MESSAGES AND CAUSES AN IMMEDIATE RSB TO CALLER.
036D 444 WHEN ERR_EXIT IS EXECUTED, FURTHER CALLS TO VERIFY ARE SUPPRESSED,
036D 445 AND, AFTER EXECUTING CLEANUP SUBROUTINES, THE IMAGE EXITS.
036D 446
036D 447 CALLING SEQUENCE:
036D 448
036D 449 BSBW VERIFY
036D 450
036D 451 INPUT PARAMETERS:
036D 452
036D 453 NONE
036D 454
036D 455 IMPLICIT INPUTS:
036D 456
036D 457 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
036D 458 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
036D 459 FOR X = 1,2,3,4,5 :
036D 460 CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
036D 461 TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
036D 462 ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
036D 463 FOR CONDX_E.
036D 464
036D 465 OUTPUT PARAMETERS:
036D 466
036D 467 NONE
036D 468
036D 469 IMPLICIT OUTPUTS:
036D 470
036D 471 VERIFY HAS NO OUTPUT. SINCE ITS PURPOSE IS TO TEST FOR ERRORS,
036D 472 IT MERELY RETURNS TO CALLER NORMALLY AFTER THE TESTS, PROVIDING
036D 473 ALL WERE SUCCESSFUL; IF AN ERROR IS DISCOVERED, RETURN IS VIA
036D 474 AN ERR_EXIT OR SS_CHECK MACRO, BOTH OF WHICH DOCUMENT DETECTED
036D 475 ERRORS.
036D 476
036D 477 COMPLETION CODES:
036D 478
036D 479 EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
036D 480
036D 481 SIDE EFFECTS:
036D 482
036D 483 SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
036D 484 (VIA RSB) IF ERROR ENCOUNTERED.
```

```
036D 485 :--
036D 486
036D 487
036D 488
036D 489 VERIFY::
036D 490 TSTB CFLAG : SHOULD CONDITIONS BE PRINTED ?
0373 491 BEQL 5$ : NO -- CONTINUE
FF0B 30 0375 492 BSBW FORM_CONDS : YES -- FMT & PRINT ALL CONDS FOR THIS T.C.
0378 493 5$:
0378 494 MOVL SELFPIID,SUBJPID : ASSUME THE SUBJECT PID IS SELF
0000011C'EF 00000114'EF D0 0378 494 CLRL ZEROPID : CLEAR ZERO PID
0000024F'EF44 00000110'EF D4 0383 495 CMPL ONES,COND3_E[R4] : IS PROCESS FOR THIS TEST CASE SELF ?
03 12 0395 497 BNEQU 7$ : NO -- CONTINUE
0074 31 0397 498 BRW 10$ : YES -- DON'T CREATE A PROCESS
039A 499 7$:
039A 500 $CREPRC_S PIDADR=CREPID, PRCNAM=SUBJPRN, -
039A 501 UIC=COND3_E[R4], IMAGE=IMAGNAM, -
039A 502 MBXUNT=MBXUNIT, QUOTA=QUOTALIST
03D5 503 : CREATE THE SUBJECT PROCESS
03D5 504 SS CHECK NORMAL : ... AND MAKE SURE IT CREATED OK
0000011C'EF 00000118'EF D0 0403 505 MOVL CREPID,SUBJPID : MAKE THE SUBJECT PID = THE ONE JUST CREATED
040E 506 10$:
040E 507 $SETPRI_S PIDADR=SUBJPID, PRI=#0, -
040E 508 PRVPRI=ORIGPRI : GET ORIGINAL PRIORITY
0425 509 SS CHECK NORMAL : CHECK FOR NORMAL RETURN
0453 510 $SETPRI_S PIDADR=SUBJPID, PRI=ORIGPRI : RESTORE ORIGINAL PRIORITY
046A 511 SS CHECK NORMAL : CHECK FOR NORMAL RETURN
0000010C'EF 00000170'EF42 D0 0498 512 MOVL COND1_E[R2],DEST_PIDADR : GET PID ADDRESS OUT OF TABLE
59 000001B2'EF43 D0 04A4 513 MOVL COND2_E[R3],R9 : PRCNAM ADDR INTO REG FOR INDIRECT REF'RNCE
58 D4 04AC 514 CLRL R8 : INITIALIZE PRIORITY VALUE REGISTER
04AE 515 15$:
04AE 516 CLRL ZEROPID : ENSURE ZEROPID IS STILL ZERO
04B4 517 :
04B4 518 : ***** SYSTEM SERVICE CALL WHICH IS THE SUBJECT OF THIS TEST CASE *****
04B4 519 :
04B4 520 $SETPRI_S PIDADR=@DEST_PIDADR, PRCNAM=(R9), -
04B4 521 PRI=R8, PRVPRI=ESTPRI
00000000'8F 50 D1 04CB 522 CMPL R0,#SS$_NORMAL : CODE RECEIVED = CODE EXPECTED ?
61 13 04D2 523 BEQL 18$ : YES -- CONTINUE
00000000'EF 00000000'8F D0 04D4 524 MOVL #SS$_NORMAL,EXPV : NO -- LOAD UP EXPECTED AND
00000000'EF 50 D0 04DF 525 MOVL R0,RCV : ... RECEIVED VALUES, THEN EXIT
04E6 526 ERR_EXIT LONG,<INCORRECT STATUS CODE RETURNED FROM SETPRI>
0535 527 18$:
0535 528 TSTL DEST_PIDADR : PID RETURNED BY SETPRI ?
053B 529 BEQL 20$ : NO -- KEEP GOING
0000010C'FF 0000011C'EF D1 053D 530 CMPL SUBJPID,@DEST_PIDADR : YES -- IS IT THE CORRECT ONE ?
58 13 0548 531 BEQL 20$ : YES -- CONTINUE
00000000'EF 0000011C'EF D0 054A 532 MOVL SUBJPID,EXPV : NO --LOAD UP EXPECTED AND
00000000'EF 0000010C'FF D0 0555 533 MOVL @DEST_PIDADR,RCV : ... RECEIVED VALUES, THEN EXIT
0560 534 ERR_EXIT LONG,<INCORRECT PID RETURNED BY SETPRI>
05A5 535 20$:
05A5 536 TSTL R8 : SETTING PRIORITY 0 ?
05A7 537 BNEQ 40$ : NO -- CONTINUE
SA 00000120'EF 90 05A9 538 MOVB ORIGPRI,R10 : YES -- EXPECT ORIGINAL PRIORITY RETURNED
04 11 05B0 539 BRB 42$ : .....
SA 58 01 83 05B2 540 40$:
05B2 541 SUBB3 #1,R8,R10 : COMPUTE EXPECTED PRIORITY TO BE RETURNED
```

```
00000124'EF 5A 91 05B6 542 42$:
00000000'EF 5C 13 05B6 543
00000000'EF 5A 90 05BD 544
00000000'EF 00000124'EF 90 05BF 545
05C6 546
05D1 547
061B 548 50$:
FE8D 58 01 1F 9D 061B 549
0621 550
0621 551
063C 552
00000124'EF 1F 91 066A 553
05C 13 0671 554
00000000'EF 1F 90 0673 555
00000000'EF 00000124'EF 90 067A 556
0685 557
06CF 558 60$:
0000011C'EF 00000118'EF D1 06CF 559
03 13 06DA 560
0094 31 06DC 561
06DF 562 65$:
06DF 563
06EE 564
071C 565
071C 566
0745 567
0745 568
0773 569
05 0773 570
05B6 542 42$:
05B6 543
05BD 544
05BF 545
05C6 546
05D1 547
061B 548 50$:
061B 549
0621 550
0621 551
063C 552
066A 553
0671 554
0673 555
067A 556
0685 557
06CF 558 60$:
06CF 559
06DA 560
06DC 561
06DF 562 65$:
06DF 563
06EE 564
071C 565
071C 566
0745 567
0745 568
0773 569
0773 570
42$:
CMPB R10,ESTPRI : IS ESTABLISHED PRIORITY = THAT EXPECTED ?
BEQLU 50$ : YES -- CONTINUE
MOVB R10,EXPV : NO -- LOAD UP EXPECTED AND
MOVB ESTPRI,RECV : ... RECEIVED VALUES, THEN EXIT
ERR_EXIT BYTE,<PRIORITY VALUE NOT RETAINED BY SETPRI>
50$:
ACBB #31,#1,R8,15$ : LOOP THRU ALL LEGAL PRIORITIES
$SETPRI_S PIDADR=SUBJPID, PRI=ORIGPRI, -
PRVPRI=ESTPRI : GET BACK ORIGINAL PRIORITY
SS_CHECK NORMAL : CHECK FOR NORMAL RETURN
CMPB #31,ESTPRI : DID SETPRI REMEMBER PREVIOUS PRI (31) ?
BEQLU 60$ : YES -- CONTINUE
MOVB #31,EXPV : NO -- LOAD UP EXPECTED AND
MOVB ESTPRI,RECV : ... RECEIVED VALUES, THEN EXIT
ERR_EXIT BYTE,<PRIORITY VALUE NOT RETAINED BY SETPRI>
60$:
CMPL CREPID,SUBJPID : WAS A PROCESS CREATED ?
BEQLU 65$ : YES -- CONTINUE
BRW VERIFYX : NO -- ALL FINISHED
65$:
$WAKE S SUBJPID : ALLOW CREATED PROCESS TO FINISH
SS_CHECK NORMAL : CHECK FOR NORMAL STATUS CODE
$QIOW_S CHAN=MBXCHAN, FUNC=#IOS READVBLK, -
P1=MBXBUFF+8, P2=MBXBUFF
AND WAIT FOR IT TO SEND MAIL
SS_CHECK NORMAL : CHECK FOR NORMAL STATUS CODE
VERIFYX:
RSB : RETURN TO CALLER
```

```
0774 572 .SBTTL VFY_CLEANUP
0774 573 :++
0774 574 FUNCTIONAL DESCRIPTION:
0774 575 :
0774 576 VFY_CLEANUP EXECUTES SYSTEM SERVICES TO UNDO THE
0774 577 EFFECT OF THOSE ISSUED IN THE VERIFY SUBROUTINE. VFY_CLEANUP MUST
0774 578 ASSUME THAT VERIFY MAY NOT HAVE EXECUTED IN ITS ENTIRETY (IF AN
0774 579 ERROR IS FOUND). ALSO, VFY_CLEANUP MAY ISSUE SS CHECK OR ERR_EXIT
0774 580 ONLY AFTER PERFORMING ALL OF ITS CLEANUP OPERATIONS; THIS IS REQUIRED
0774 581 IN THE EVENT THAT VFY_CLEANUP IS CALLED DURING ERROR PROCESSING,
0774 582 WHEN PERFORMING THE REQUIRED CLEANUP IS MORE IMPORTANT THAN
0774 583 POSSIBLY DISCOVERING A SECOND ERROR.
0774 584 :
0774 585 CALLING SEQUENCE:
0774 586 :
0774 587 BSBW VFY_CLEANUP
0774 588 :
0774 589 INPUT PARAMETERS:
0774 590 :
0774 591 NONE
0774 592 :
0774 593 IMPLICIT INPUTS:
0774 594 :
0774 595 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
0774 596 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
0774 597 FOR X = 1,2,3,4,5 :
0774 598 CONDX E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
0774 599 TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
0774 600 ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
0774 601 FOR CONDX_E.
0774 602 :
0774 603 OUTPUT PARAMETERS:
0774 604 :
0774 605 NONE
0774 606 :
0774 607 IMPLICIT OUTPUTS:
0774 608 :
0774 609 NONE
0774 610 :
0774 611 COMPLETION CODES:
0774 612 :
0774 613 EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
0774 614 :
0774 615 SIDE EFFECTS:
0774 616 :
0774 617 SS CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
0774 618 (VIA RSB) IF ERROR ENCOUNTERED.
0774 619 :
0774 620 :--
0774 621 :
0774 622 :
0774 623 :
0774 624 VFY_CLEANUP::
0774 625 CMPL CREPID,SUBJPID ; WAS A PROCESS CREATED FOR THIS TEST CASE ?
0774 626 BNEQU 10$ ; NO -- DON'T DELETE IT
0774 627 $DELPRC_S SUBJPID ; YES -- DELETE IT
0774 628 BRB -VFY_CLEANUPX ; ... AND GET OUT
```

```
0000011C'EF 00000118'EF 01
11 12
52 11
```

SATSSS45
V04-000

SATS SYSTEM SERVICE TESTS \$SETPRI (SUCC 16-SEP-1984 00:55:25 VAX/VMS Macro V04-00 Page 16
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```
00000120'EF 00000000'EF 91 0792 629 10$:
                                0792 630      CMPB  ONES,ORIGPRI      ; WAS ORIGINAL PRIORITY EVER CHANGED ?
                                13 079D 631      BEQLU VFY_CLEANUPX      ; NO -- CLEANUP IS COMPLETE
                                079F 632      $SETPRI S PIDADR=SUBJPID, PRI=ORIGPRI ; YES -- GET BACK ORIGINAL
                                07B6 633      SS CHECK NORMAL      ; CHECK FOR NORMAL RETURN
00000120'EF 00000000'EF 90 07E4 634 VFY_CLEANUPX:
                                05 07E4 635      MOVB  ONES,ORIGPRI      ; INDICATE PRI NOT CHANGED YET FOR NEXT T.C.
                                07EF 636      RSB
                                07F0 637      .END      ; RETURN TO CALLER
```

\$\$\$\$
\$\$\$\$CHARS
\$\$\$\$CHARS1
\$\$\$\$CHARS2
\$\$\$\$CHARS3
\$\$\$\$CHARS4
\$\$\$\$CHARS5
\$\$\$\$COND_A
\$\$\$\$STRINGS
\$\$\$\$STRINGS2
\$\$T1
\$\$T2
BYTE
CFLAG
CHMRTN
CHM_CONT
COMP_SC
COND1
COND1_C
COND1_CLEANUP
COND1_E
COND1_H
COND1_T
COND1_TAB
COND2
COND2_C
COND2_CLEANUP
COND2_E
COND2_H
COND2_T
COND2_TAB
COND3
COND3X
COND3_C
COND3_CLEANUP
COND3_E
COND3_H
COND3_T
COND3_TAB
COND4
COND4_C
COND4_CLEANUP
COND4_H
COND4_T
COND4_TAB
COND5
COND5_C
COND5_CLEANUP
COND5_H
COND5_T
COND5_TAB
CONFLICT
CREPID
CTL\$GL_PHD
DESC
DEST_PIDADR
DIB\$R_LENGTH

= 0000068F R 04
= 00000025
= 00000004
= 0000000A
= 00000019
= 00000021
= 00000026
= 00000004
= 00000001
= 00000005
= 00000001
= 00000004
= 00000001 G
***** X 04
***** X 04
***** X 04
***** X 04
00000232 RG 04
= 00000000
00000233 RG 04
00000170 R 03
00000131 RG 03
00000125 R 03
00000132 R 03
00000234 RG 04
= 00000000
00000235 RG 04
000001B2 R 03
00000191 RG 03
0000017C R 03
00000192 R 03
00000236 RG 04
0000027D R 04
= 00000000
0000027E RG 04
0000024F R 03
000001C7 RG 03
000001BA R 03
000001C8 R 03
0000027F RG 04
= 00000014
00000280 RG 04
00000263 RG 03
00000263 R 03
00000263 R 03
00000281 RG 04
= 00000014
00000282 RG 04
00000264 RG 03
00000264 R 03
00000264 R 03
***** X 04
00000118 R 03
***** X 04
= 00000010 G
0000010C R 03
= 00000074

DIB\$W_UNIT
EFLAG
ESTPRI
EXPV
FAO_DESC
FAO_LEN
FORM_CONDS
FORM_CONDSX
IMAGNAM
IOS_READVBLK
LONG
MBXBUF
MBXCHAN
MBXCHANINFO
MBXUNIT
MOD_MSG_CODE
MOD_MSG_PRINT
MSGT_INP_CTL
MSG3_ERR_CTL
MSG_A
MSG_B
MSG_CTXT
NOTARG
NULL
ONES
ORIGPRI
OUTPUT MSG
PCBSL_OIC
PCV
PHD\$Q_PRIVMSK
PQL\$BYTLM
PQL\$CPULM
PQL\$FILLM
PQL\$LISTEND
PQL\$PGFLQUOTA
PQL\$PRCLM
PQL\$TQELM
PRIVMASK
PRIV_ARGS
PROCESS_ERR
QUAD
QUOTALIST
RECV
REST_REGS
SAVE_REGS
SCH\$GL_CURPCB
SELFPIB
SS\$NORMAL
SUBJPID
SUBJPRN
SUCCESS
SYSS\$CMKRNL
SYSS\$CREMBX
SYSS\$CREPRC
SYSS\$DELMBX
SYSS\$DELPRI
SYSS\$FAO

= 0000000C
***** X 04
00000124 R 03
***** X 04
***** X 04
***** X 04
00000283 RG 04
0000036C R 04
00000065 R 02
***** X 04
= 00000004 G
0000008C R 03
00000008 R 03
0000000C R 03
00000088 R 03
***** X 04
***** X 04
00000019 R 02
00000039 RG 02
***** X 04
***** X 04
***** X 04
= 00000000 G
= 00000014 G
***** X 04
00000120 R 03
***** X 04
= 000000BC X 04
***** X 04
= 00000000
= 00000003
= 00000004
= 00000006
= 00000000
= 00000007
= 00000008
= 00000009
00000000 R 03
= 00000002
***** X 04
= 00000008 G
00000084 R 02
***** X 04
***** X 04
***** X 04
***** X 04
***** X 04
00000114 R 03
***** X 04
0000011C R 03
00000051 R 02
***** X 04
***** GX 04
***** GX 04
***** GX 04
***** GX 04
***** GX 04
***** X 04

SATSSS45
Symbol table

SATS SYSTEM SERVICE TESTS \$SETPRI (SUCC 16-SEP-1984 00:55:25 VAX/VMS Macro V04-00
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SYSSGETCHN	*****	GX	04
SYSSHIBER	*****	GX	04
SYSSQIOW	*****	GX	04
SYSS\$ETPRI	*****	GX	04
SYSS\$ETPRN	*****	GX	04
SYSS\$ETPRV	*****	GX	04
SYSSWAKE	*****	GX	04
TESTNUM	*****	X	04
TEST_MOD_NAME	00000000	RG	02
TEST_MOD_NAME_D	00000009	R	02
TEST_MOD_SUCC	*****	X	04
TMD_ADDR	*****	X	04
TM_CLEANUP	00000220	RG	04
TM_SETUP	00000000	RG	04
VERIFY	00000360	RG	04
VERIFYX	00000773	R	04
VFY_CLEANUP	00000774	RG	04
VFY_CLEANUPX	000007E4	R	04
WORD	= 00000002	G	
WRITE_MSG2	*****	X	04
ZEROPID	00000110	R	03

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
. ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RODATA	000000A7 (167.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	00000265 (613.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC LONG
SATSSS45	000007F0 (2032.)	04 (4.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	35	00:00:00.11	00:00:00.33
Command processing	137	00:00:00.66	00:00:01.84
Pass 1	301	00:00:09.60	00:00:19.91
Symbol table sort	0	00:00:00.78	00:00:01.40
Pass 2	139	00:00:02.36	00:00:05.01
Symbol table output	16	00:00:00.11	00:00:00.11
Psect synopsis output	2	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	632	00:00:13.66	00:00:28.63

The working set limit was 1500 pages.
51477 bytes (101 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 490 non-local and 60 local symbols.
637 source lines were read in Pass 1, producing 26 object records in Pass 2.
47 pages of virtual memory were used to define 37 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
-----	-----
\$255\$DUA28:[SHRLIB]UETP.MLB;1	9
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	2
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	23
TOTALS (all libraries)	34

892 GETS were required to define 34 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSS45/OBJ=OBJ\$:SATSSS45 MSRC\$:SATSSS45/UPDATE=(ENH\$:SATSSS45)+EXECML\$/LIB+SHRLIB\$:UETP/LIB

0423 AH-BT13A-SE
VAX/VMS V4.0

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